Overall Unit and Item Ratings

DWR Sutter Maintenance Yard

Butte Slough Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	А
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	Α
	Flap Gates	Α
	Concrete Surfaces	А
	Concrete Tilting / Settlement	А
	Concrete Foundations	Α
	Closure Structures	Α

Butte Slough Outfall Structure

Overall Unit Rating	Rated Item	Item Rating
Α	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Flap Gates	Α
	Sluice/Slide Gates	Α
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Monolith Joints	Α

Colusa Weir

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Security Fencing	Α
	Monolith Joints	Α

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Little Chico Creek Control And Weir Structures

Overall Unit Rating	Rated Item	Item Rating
Α	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Closure Structures	Α

Middle Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
M	Operating Log	U
	Operation & Maintenance Manual	U
	Plant Building	М
	Communications	Α
	Safety	Α
	Pumps	Α
	Power	Α
	Pump Control Systems	М
	Sumps/Wet Well	Α
	Trash Racks	Α
	Sluice / Slide Gates	М
	Manual Gate Operators	М
	Other Metallic Items	Α
	Flap Gates	М
	Security Fencing	Α
	Intake and Discharge Pipes	Α
	Pressurized Pipe	Α

Moulton Weir

Overall Unit Rating	Rated Item	Item Rating
Α	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Monolith Joints	Α

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Nelson Bend

Overall Unit Rating	Rated Item	Item Rating
Α	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Safety	М

Sutter Bypass Pumping Plant No. 1

Overall Unit Rating	Rated Item	Item Rating
M	Operating Log	Α
	Operation & Maintenance Manual	А
	Plant Building	А
	Communications	А
	Safety	А
	Pumps	Α
	Power	U
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	М
	Sumps/Wet Well	Α
	Trash Racks	Α
	Sluice / Slide Gates	Α
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Security Fencing	Α
	Pressurized Pipe	Α

Sutter Bypass Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
M	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Pumps	Α
	Power	U
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	М
	Sumps/Wet Well	Α
	Trash Racks	Α
	Sluice / Slide Gates	Α
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Security Fencing	Α
	Pressurized Pipe	Α

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 3

Overall Unit Rating	Rated Item	Item Rating
M	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Pumps	Α
	Power	U
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	М
	Sumps/Wet Well	Α
	Trash Racks	Α
	Sluice / Slide Gates	Α
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Security Fencing	Α
	Pressurized Pipe	Α

Sutter Bypass Weir No. 2

Overall Unit Rating	Rated Item	Item Rating
Α	Vegetation & Obstructions	Α
,	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Sluice/Slide Gates	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Monolith Joints	Α

Tisdale Weir

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	М
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Monolith Joints	Α

2009 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Wadsworth Canal Weir No. 4

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	А
	Revetments	Α
	Encroachments	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Monolith Joints	Α

Unit Cover Sheet

2009 Structure Inspection Results

Structure	
Butte Slough Drainage Structure	

Structure Rating	A
Date of Inspection	8/27/2009
DWR Inspector	Bob Duffey
Accompanied By	

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure		Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/27/2009 08/27/2009	Bob Duffey

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitu	ide/Longitud	le Photo	Issue
No.	Start	End	Category		tion	ng	Action/Comment	Start	End	ď	N _o
1	0.00	0.00	Structures	Vegetation & Obstructions		Α			0	° Y	1
2	0.00	0.00	Structures	Shoaling / Sedimentation		Α			0	0	2
3	0.00	0.00	Structures	Erosion / Bank Caving		Α			0	0	3
4	0.00	0.00	Structures	Revetments		Α			0	0	4
5	0.00	0.00	Structures	Encroachments		Α			0	0	5
6	0.00	0.00	Structures	Culverts: Inlets / Outlets		Α			0	0	6
7	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		Α			0	0	7
8	0.00	0.00	Structures	Metal Pipes		Α			0	0	8
9	0.00	0.00	Structures	Trash Racks		N			0	0	9
10	0.00	0.00	Structures	Flap Gates		Α			0	° Y	10
11	0.00	0.00	Structures	Sluice/Slide Gates		N			0	0	11
12	0.00	0.00	Structures	Electric Gate Operators		N			0	0	12
13	0.00	0.00	Structures	Manual Gate Operators		N			0	0	13
14	0.00	0.00	Structures	Concrete Surfaces		Α			0	0	14
15	0.00	0.00	Structures	Concrete Tilting / Settlement		Α			0	0	15
16	0.00	0.00	Structures	Concrete Foundations		Α			0	0	16
17	0.00	0.00	Structures	Security Fencing		N			0	0	17

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/27/2009 08/27/2009	Bob Duffey

LMR	Levee	ree Mile		Catagon		Astion/Commont	GPS Latitude	e/Longitude	Issue No. Photo
No.	Start	End	Category	Item	Rating ** Location **	Action/Comment	Start	End	No.
18	0.00	0.00	Structures	Closure Structures	А		0	0	18
19	0.00	0.00	Structures	Trash Rakes	N		0	0	19
20	0.00	0.00	Structures	Other Metallic Items	N		0	0	20
21	0.00	0.00	Structures	Monolith Joints	N		0	0	21
22	0.00	0.00	Structures	Safety	N		0	0	22

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/27/2009 08/27/2009	Bob Duffey

Levee Mile Report Line	1			
Start Levee Mile	0.00			
End Levee Mile	0.00			
Location				
Category	Structures			
Item	Vegetation & Obstructions			
View of the corrugated m	etal stand pipe riser.			
rduffey_20090910_1.jpg				

Levee Mile Report Line	10			
Start Levee Mile	0.00			
End Levee Mile	0.00			
Location				
Category	Structures			
Item	Flap Gates			
View of the outlet pipe.				
rduffey_20090910_2.jpg				





Unit Cover Sheet

2009 Structure Inspection Results

Structure	
Butte Slough Outfall Structure	

Structure Rating	A
Date of Inspection	8/27/2009
DWR Inspector	Bob Duffey
Accompanied By	

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/27/2009 08/27/2009	Bob Duffey

LMR	Levee	Mile	Catagony	Itom	Rating ** Location *	Action/Commont	GPS Latitu	de/Longitude	Ph	Issue No.
No.	Start	End	Category	Item	ing	Action/Comment	Start	End	oto	No.
1	0.00	0.00	Structures	Vegetation & Obstructions	Α		¢		0	1
2	0.00	0.00	Structures	Shoaling / Sedimentation	Α		6		• Y	2
3	0.00	0.00	Structures	Erosion / Bank Caving	Α		(0	3
4	0.00	0.00	Structures	Revetments	А				0	4
5	0.00	0.00	Structures	Encroachments	Α		•		0	5
6	0.00	0.00	Structures	Culverts: Inlets / Outlets	Α				0	6
7	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	Α		c c		0	7
8	0.00	0.00	Structures	Metal Pipes	N		•		0	8
9	0.00	0.00	Structures	Trash Racks	N		(0	9
10	0.00	0.00	Structures	Flap Gates	Α				。 Y	10
11	0.00	0.00	Structures	Sluice/Slide Gates	А		(0	11
12	0.00	0.00	Structures	Electric Gate Operators	N		(0	12
13	0.00	0.00	Structures	Manual Gate Operators	А		6		0	13
14	0.00	0.00	Structures	Concrete Surfaces	А				0	14
15	0.00	0.00	Structures	Concrete Tilting / Settlement	Α				0	15
16	0.00	0.00	Structures	Concrete Foundations	Α				0	16
17	0.00	0.00	Structures	Security Fencing	Α				0	17
										—

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/27/2009 08/27/2009	Bob Duffey

LMR	Levee	Mile	Catamani	lkovo	Rating ** Location	* and Action/Comment	GPS Latitude	Issue No.	
No.	Start	End	Category	Item	ing *	Action/Comment	Start	End	oto No.
18	0.00	0.00	Structures	Closure Structures	Α		0	0	18
19	0.00	0.00	Structures	Trash Rakes	N		0	0	19
20	0.00	0.00	Structures	Other Metallic Items	N		0	0	20
21	0.00	0.00	Structures	Monolith Joints	Α		0	0	21
22	0.00	0.00	Structures	Safety	N		0	0	22

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

FINAL DATA

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/27/2009 08/27/2009	Bob Duffey

Levee Mile Report Line	2						
Start Levee Mile	0.00						
End Levee Mile	0.00						
Location							
Category	Structures						
Item	Shoaling / Sedimentation						
View of the intake side of the structure							
rduffey_20090910_3.jpg							

Levee Mile Report Line	10						
Start Levee Mile	0.00						
End Levee Mile	0.00						
Location							
Category	Structures						
Item	Flap Gates						
View of the outlet channel and gauge station							
rduffey_20090910_4.jpg							





FINAL DATA

Unit Cover Sheet

2009 Structure Inspection Results

Structure	
Colusa Weir	

Structure Rating	A
Date of Inspection	9/10/2009
DWR Inspector	Bob Duffey
Accompanied By	

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/27/2009 08/27/2009	Bob Duffey

LMR	Levee		Category	Item	Location	Rating	Action/Comment		de/Longitude	Photo	Issue No.
1	0.00	0.00	Structures	Vegetation & Obstructions	on	A		Start		。 。	1
2	0.00	0.00	Structures	Shoaling / Sedimentation		Α		c		0	2
3	0.00	0.00	Structures	Erosion / Bank Caving		Α		c		0	3
4	0.00	0.00	Structures	Revetments		Α		c		° Y	4
5	0.00	0.00	Structures	Encroachments		Α		c		0	5
6	0.00	0.00	Structures	Culverts: Inlets / Outlets		N		c		0	6
7	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N		c		0	7
8	0.00	0.00	Structures	Metal Pipes		N		c		0	8
9	0.00	0.00	Structures	Trash Racks		N		c		0	9
10	0.00	0.00	Structures	Flap Gates		N		c		0	10
11	0.00	0.00	Structures	Sluice/Slide Gates		N		c		0	11
12	0.00	0.00	Structures	Electric Gate Operators		N		c		0	12
13	0.00	0.00	Structures	Manual Gate Operators		N		c		0	13
14	0.00	0.00	Structures	Concrete Surfaces		Α		c		0	14
15	0.00	0.00	Structures	Concrete Tilting / Settlement		Α		c		0	15
16	0.00	0.00	Structures	Concrete Foundations		N		c		0	16
17	0.00	0.00	Structures	Security Fencing		Α		c		0	17

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/27/2009 08/27/2009	Bob Duffey

LMR	Levee	Mile	Catagony	Itom	Rating ** Location	Action/Comment	GPS Latitud	e/Longitude	Issue No.
No.	Start	End	Category	Item	ing tion	Action/Comment	Start	End	ot No.
18	0.00	0.00	Structures	Closure Structures	N		0	0	18
19	0.00	0.00	Structures	Trash Rakes	N		0	0	19
20	0.00	0.00	Structures	Other Metallic Items	N		0	0	20
21	0.00	0.00	Structures	Monolith Joints	А		0	0	21
22	0.00	0.00	Structures	Safety	N		0	0	22

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/27/2009 08/27/2009	Bob Duffey

Levee Mile Report Line	4				
Start Levee Mile	0.00				
End Levee Mile	0.00				
Location					
Category	Structures				
Item	Revetments				
View of the gauging station and Sacramento River in the background					
rduffey_20090910_7.jpg					

Levee Mile Report Line	4			
Start Levee Mile	0.00			
End Levee Mile	0.00			
Location				
Category	Structures			
Item	Revetments			
The upstream side of weir from the south levee				
rduffey_20090910_8.jpg				





Unit Cover Sheet

2009 Structure Inspection Results

Structure	
Little Chico Creek Control And Weir Structures	

Structure Rating	Α
Date of Inspection	8/12/2009
DWR Inspector	Bob Duffey
Accompanied By	

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures			Bob Duffey

LMR	Levee	Mile	Catagony	Item	Rating ** Location	Action/Comment	GPS Latitu	de/Longitude	Photo	Issue No.
No.	Start	End	Category	item	ing	Action/Comment	Start	End	oto	No.
1	0.00	0.00	Structures	Vegetation & Obstructions	Α		c		° Y	1
2	0.00	0.00	Structures	Shoaling / Sedimentation	Α		c		0	2
3	0.00	0.00	Structures	Erosion / Bank Caving	Α		c		0	3
4	0.00	0.00	Structures	Revetments	Α		c		0	4
5	0.00	0.00	Structures	Encroachments	Α		c		0	5
6	0.00	0.00	Structures	Culverts: Inlets / Outlets	N		c		0	6
7	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	N		c		0	7
8	0.00	0.00	Structures	Metal Pipes	N		c		0	8
9	0.00	0.00	Structures	Trash Racks	N		c		0	9
10	0.00	0.00	Structures	Flap Gates	N		c		0	10
11	0.00	0.00	Structures	Sluice/Slide Gates	N		c		0	11
12	0.00	0.00	Structures	Electric Gate Operators	N		c		0	12
13	0.00	0.00	Structures	Manual Gate Operators	N		c		0	13
14	0.00	0.00	Structures	Concrete Surfaces	Α		c		0	14
15	0.00	0.00	Structures	Concrete Tilting / Settlement	Α		c		0	15
16	0.00	0.00	Structures	Concrete Foundations	Α		c		0	16
17	0.00	0.00	Structures	Security Fencing	N		c		0	17

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures			Bob Duffey

LMR	Levee Mile		Catamani	lka ma	Rating ** Location	A aking / O are see and	GPS Latitud	e/Longitude	Issue No.
No.	Start	End	Category	Item	ing * ation	Action/Comment	Start	End	oto No.
18	0.00	0.00	Structures	Closure Structures	Α		0	0	18
19	0.00	0.00	Structures	Trash Rakes	N		0	0	19
20	0.00	0.00	Structures	Other Metallic Items	N		0	0	20
21	0.00	0.00	Structures	Monolith Joints			0	0	21
22	0.00	0.00	Structures	Safety	N		0	0	22

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures			Bob Duffey

Levee Mile Report Line	1				
Start Levee Mile	0.00				
End Levee Mile	0.00				
Location					
Category	Structures				
Item	Vegetation & Obstructions				
View of the downstream side of the control structure.					
rduffey_20080917_31.jpg					

Levee Mile Report Line	1	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Structures	
Item	Vegetation & Obstructions	
View of the vegetation do structure.	ownstream from the	
rduffey_20080917_32.jpg		





Unit Cover Sheet

2009 Pumping Plant Inspection Results

Pumping Plant	
Middle Creek Pumping Plant	

Pumping Plant Rating	M
Date of Inspection	7/28/2009
DWR Inspector	David Pesavento
Accompanied By	Kenny Tweedp DWR
	Larry McNiel DWR

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/19/2009 08/19/2009	David Pesavento

LMR	Levee	Mile	Catamami	lta m	Rating ** Location	A sking (Common and	GPS Latitue	de/Longitude	Photo	Issue
No.	Start	End	Category	Item	ing tion	Action/Comment	Start	End	ਰਿ	N _O .
1	0.00	0.00	Pump Stations	Operating Log	U	Inspector Comments: No operating log is located at the site.	c			1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual	U	Inspector Comments: There is no O&M manual kept on site. Please keep a copy on site at all times.	c			2
3	0.00	0.00	Pump Stations	Plant Building	M	Inspector Comments: Concrete chamber adjacent to the structure has some differential settlement but the plant apears to be functional.	c		Y	3
4	0.00	0.00	Pump Stations	Communications	А	Inspector Comments: Personel carry cell phones.	c			4
5	0.00	0.00	Pump Stations	Safety	Α	Inspector Comments: There are no apparent dangers to personel safety. The lighting at the site is not functional. The lots have been shot out.	c			5
6	0.00	0.00	Pump Stations	Cranes	N	Inspector Comments: There are no cranes at this station.	c			6
7	0.00	0.00	Pump Stations	Pumps	Α	Inspector Comments: All three pumps were turned on and moved water.	c		,	7
8	0.00	0.00	Pump Stations	Power	Α	Inspector Comments: The power does go down on occasion, but a generator could be rented.	c			8
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers	N	Inspector Comments: There are is no electrical/mechanical equipment at this station other than the pumps.	c			9
10	0.00	0.00	Pump Stations	Pump Control Systems	М	Inspector Comments: Wasps have made nests in some of the cabinets. Remove the wasps and seal the entrances. Unable to test the water level actuated pump operations.	c		· Y	10
11	0.00	0.00	Pump Stations	Sumps/Wet Well	А	Inspector Comments: The sump appears to be free of debris and able to perform as intended.	c			11
12	0.00	0.00	Pump Stations	Trash Racks	А	Inspector Comments: The trash rack appears to be in adequate condition and free of debris.	c		, Y	12
13	0.00	0.00	Pump Stations	Trash Rakes	N	Inspector Comments: Trash racks are manually cleared.	c			13

* Location	
LS : Land Side	
WS : Water Side	

** Rating

A : Acceptable PO : Partially Obstructing
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable N : Not Inspected

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/19/2009 08/19/2009	David Pesavento

LMR	Levee	Mile	Catamami	lta va	Rating ** Location *	Asking/Commont	GPS Latitude/	Longitude	Photo	Issue
No.	Start	End	Category	Item	ation	Action/Comment	Start	End	융	No.
14	0.00	0.00	Pump Stations	Sluice / Slide Gates	М	Inspector Comments: Gates on the waterward side of the levee do not appear to be greased or used in some time. Unclear if they would operate. The gates on the landward side appear to be in adequate condition and turned easily.	•	0	Y	14
15	0.00	0.00	Pump Stations	Electric Gate Operators	N	Inspector Comments: There are no electric or hydraulic operators at this station.	0	0		15
16	0.00	0.00	Pump Stations	Manual Gate Operators	М	Inspector Comments: Landward operators worked, there was no operator for the landward gates to try. The operators need grease.	0	0	Y	16
17	0.00	0.00	Pump Stations	Other Metallic Items	Α		0	0		17
18	0.00	0.00	Pump Stations	Flap Gates	М	Inspector Comments: There do not appear to be any flap gates at this plant, but it is not clear what other than slide gates are used to prevent back flow.	0	0		18
19	0.00	0.00	Pump Stations	Closure Structures	N	Inspector Comments: There are no closure structures at this station.	0	0		19
20	0.00	0.00	Pump Stations	Security Fencing	А		0	0		20
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes	Α		0	0		21
22	0.00	0.00	Pump Stations	Pressurized Pipe	Α		0	0		22

* Location

LS : Land Side

WS : Water Side

CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/19/2009 08/19/2009	David Pesavento

Levee Mile Report Line	3				
Start Levee Mile	0.00				
End Levee Mile	0.00				
Location					
Category	Pump Stations				
Item Plant Building					
View of the gap between the main station foundation and the side chamber caused by differential settlement.					
dpesaven_20090819_53.jpg	3				

Levee Mile Report Line	10			
Start Levee Mile	0.00			
End Levee Mile	0.00			
Location				
Category	Pump Stations			
Item	Pump Control Systems			
View of the pump controls. The pumps can be manually operated or controlled by the water level.				
dpesaven_20090819_59.jpg				

Levee Mile Report Line	11		
Start Levee Mile	0.00		
End Levee Mile	0.00		
Location			
Category	Pump Stations		
Item	Sumps/Wet Well		
dpesaven_20090819_55.jpg			







LS : Land Side WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/19/2009 08/19/2009	David Pesavento

Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks
View of the trash rack.	

Levee Mile Report Line	14				
Start Levee Mile	0.00				
End Levee Mile	0.00				
Location					
Category	Pump Stations				
Item	Sluice / Slide Gates				
View of the top of the slide gate for the low flow channel on the landward side of the station.					

dpesaven_20090819_56.jpg

Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators
View of an operator on the station.	e landward side of the







dpesaven_20090819_57.jpg

LS : Land Side WS : Water Side CR : Crown

Location

A : Acceptable M : Minimally Acceptable U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

FINAL DATA

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/19/2009 08/19/2009	David Pesavento

Levee Mile Report Line	16						
Start Levee Mile	0.00						
End Levee Mile	0.00						
Location							
Category	Pump Stations						
Item	Manual Gate Operators						
View of the operators on the waterward side of the station.							
dpesaven_20090819_58.jpg	3						



FINAL DATA

Unit Cover Sheet

2009 Structure Inspection Results

Structure	
Moulton Weir	

Structure Rating	Α
Date of Inspection	8/26/2009
DWR Inspector	Bob Duffey
Accompanied By	

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/27/2009 08/27/2009	Bob Duffey

LMR	Levee	Mile	Catagory	Item	Rating ** Location	Action/Comment	GPS Latitud	de/Longitude	Photo	Issue No.
No.	Start	End	Category	item	ing	Action/Comment	Start	End	ŏ	No.
1	0.00	0.00	Structures	Vegetation & Obstructions	Α		o o		0	1
2	0.00	0.00	Structures	Shoaling / Sedimentation	Α		o		° Y	2
3	0.00	0.00	Structures	Erosion / Bank Caving	Α		o o		0	3
4	0.00	0.00	Structures	Revetments	Α		0		° Y	4
5	0.00	0.00	Structures	Encroachments	Α		0		0	5
6	0.00	0.00	Structures	Culverts: Inlets / Outlets	N		o o		0	6
7	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	N		o o		0	7
8	0.00	0.00	Structures	Metal Pipes	N		0		0	8
9	0.00	0.00	Structures	Trash Racks	N		o o		0	9
10	0.00	0.00	Structures	Flap Gates	N		o		0	10
11	0.00	0.00	Structures	Sluice/Slide Gates	N		o		0	11
12	0.00	0.00	Structures	Electric Gate Operators	N		o		0	12
13	0.00	0.00	Structures	Manual Gate Operators	N		o		0	13
14	0.00	0.00	Structures	Concrete Surfaces	Α		o o		0	14
15	0.00	0.00	Structures	Concrete Tilting / Settlement	Α		o		0	15
16	0.00	0.00	Structures	Concrete Foundations	Α		0		0	16
17	0.00	0.00	Structures	Security Fencing	Α		o o		0	17

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/27/2009 08/27/2009	Bob Duffey

LMR	Levee Mile Cotogony Itom		Itom	Rating ** Location	Action/Commont	GPS Latitude	e/Longitude	Issue No.	
No.	Start	End	Category	Item	ing tion	Action/Comment	Start	End	No.
18	0.00	0.00	Structures	Closure Structures	N		0	0	18
19	0.00	0.00	Structures	Trash Rakes	N		0	0	19
20	0.00	0.00	Structures	Other Metallic Items	N		0	0	20
21	0.00	0.00	Structures	Monolith Joints	А		0	0	21
22	0.00	0.00	Structures	Safety	N		0	0	22

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/27/2009 08/27/2009	Bob Duffey

Levee Mile Report Line	2					
Start Levee Mile	0.00					
End Levee Mile	0.00					
Location						
Category	Structures					
Item	Shoaling / Sedimentation					
The weir and stilling basin from the top of the south abutment						
rduffey_20090910_5.jpg						

Levee Mile Report Line	4				
Start Levee Mile	0.00				
End Levee Mile	0.00				
Location					
Category	Structures				
Item	Revetments				
View of the gauging station directly upstream of weir					
rduffey_20090910_6.jpg					





Unit Cover Sheet

2009 Structure Inspection Results

Structure						
	Nelson Bend					

Structure Rating	Α
Date of Inspection	7/9/2009
DWR Inspector	John Williamson
Accompanied By	

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/09/2009 07/09/2009	John Williamson

LMR	Levee	Mile	Catagony	Itom	Loca	Rating	Action/Comment	GPS Latitud		Pho	Issue
No.	Start	End	Category	Item	ition	ing *	Action/Comment	Start	End	oto	No.
1	0.00	0.00	Structures	Photo Documentation	CR		Inspector Comments: start lat. North end 38.89550 - 121.61695, end lat south end 38.88745 -121.61533	38.895500° 121.616950°	38.887450 ° 121.615330 °	Υ	1
2	0.00	0.00	Structures	Vegetation & Obstructions	CR	Α		0	0		2
3	0.00	0.00	Structures	Shoaling / Sedimentation	CR	Α		0	0		3
4	0.00	0.00	Structures	Erosion / Bank Caving	CR	Α		0	0		4
5	0.00	0.00	Structures	Revetments	CR	Α		0	0		5
6	0.00	0.00	Structures	Encroachments	CR	Α		0	0		6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets	CR	N		0	0		7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	CR	N		0	0		8
9	0.00	0.00	Structures	Metal Pipes	CR	N		0	0		9
10	0.00	0.00	Structures	Trash Racks	CR	N		0	0		10
11	0.00	0.00	Structures	Flap Gates	CR	N		0	0		11
12	0.00	0.00	Structures	Sluice/Slide Gates	CR	N		0	0		12
13	0.00	0.00	Structures	Electric Gate Operators	CR	N		0	0		13
14	0.00	0.00	Structures	Manual Gate Operators	CR	N		0	0		14
15	0.00	0.00	Structures	Concrete Surfaces	CR	N		0	0		15
16	0.00	0.00	Structures	Concrete Tilting / Settlement	CR	N		0	0		16
17	0.00	0.00	Structures	Concrete Foundations	CR	N		0	0		17

Location	
LS : Land Side	
WS : Water Side	

** Rating

A : Acceptable PC
M : Minimally Acceptable CO
U : Unacceptable N

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/09/2009 07/09/2009	John Williamson

LMR	Levee	Mile	Catagory	Item	Location	Rating	Action/Comment	GPS Latitude	e/Longitude	Photo	Issue
No.	Start	End	Category	item	tion	ing	Action/Comment	Start	End	ð	N _o .
18	0.00	0.00	Structures	Security Fencing	CR	N		0	0		18
19	0.00	0.00	Structures	Closure Structures	CR	N		0	0		19
20	0.00	0.00	Structures	Trash Rakes	CR	N		0	0		20
21	0.00	0.00	Structures	Other Metallic Items	CR	N		0	0		21
22	0.00	0.00	Structures	Monolith Joints	CR	N		0	0		22
23	0.00	0.00	Structures	Safety	CR	М	Inspector Comments: this issue does not apply I gave the M rating because of the rip rap and the possible threat of tripping and falling.	0	0		23

FINAL DATA

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/09/2009 07/09/2009	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Crown
Category	Structures
Item	Photo Documentation
North end on top of levee	38.89550 -121.61695
johngw_20090709_1.jpg	

Loves Mile Benert Line	4	
Levee Mile Report Line		
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location	Crown	
Category	Structures	
Item	Photo Documentation	
north end 38.89550 -121.61695		
johngw_20090709_2.jpg		

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Crown
Category	Structures
Item	Photo Documentation
rip rap on north levee	







Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/09/2009 07/09/2009	John Williamson

Levee Mile Report Line	1	
Levee Mile Report Line	1	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location	Crown	
Category	Structures	
Item	Photo Documentation	
south end where rip rap meets berm 38.88745 - 121.61533		
johngw_20090709_4.jpg		

La sa Mila Da sa dilina			
Levee Mile Report Line	1		
Start Levee Mile	0.00		
End Levee Mile	0.00		
Location	Crown		
Category	Structures		
Item	Photo Documentation		
south end look at front of rip rap 38.88745 - 121.61533			
johngw_20090709_5.jpg			





Unit Cover Sheet

2009 Pumping Plant Inspection Results

Pumping Plant	
Sutter Bypass Pumping Plant No. 1	

Pumping Plant Rating	M
Date of Inspection	8/10/2009
DWR Inspector	John Paasch
Accompanied By	Paul Casillas DWR Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		08/11/2009 08/11/2009	John Paasch

LMR	Levee	Mile	Catamami	lt a va	Rating ** Location	Action/Comment	GPS Latitude	e/Longitude	Photo	Issue
No.	Start	End	Category	Item	ation *	Action/Comment	Start	End	oto	No.
1	0.00	0.00	Pump Stations	Operating Log	Α	Inspector Comments: O&M log present at the pump station and is being used and updated	•	0		1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual	Α	Inspector Comments: O&M manual is present at site.	0	0		2
3	0.00	0.00	Pump Stations	Plant Building	Α	Inspector Comments: Enclosure appears in good structural and operational condition.	0	0	Υ	3
4	0.00	0.00	Pump Stations	Communications	Α	Inspector Comments: Telephone line available at site. Operators have cellular and radio communication.	0	0		4
5	0.00	0.00	Pump Stations	Safety	Α	Inspector Comments: No appearant safety hazards observed that pose a threat to plant operators.	0	0		5
6	0.00	0.00	Pump Stations	Cranes	N	Inspector Comments: No cranes present at site.	0	0		6
7	0.00	0.00	Pump Stations	Pumps	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pumps appear properly maintained and lubricated. Pumps last run March 2009.	0	0		7
8	0.00	0.00	Pump Stations	Power	U	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Power source has been unreliable in the past. DOE is currently planning to upgrade the power to the pumping plant.	0	0		8
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Motors appear to be properly maintained and operational.	0	0	Υ	9
10	0.00	0.00	Pump Stations	Pump Control Systems	М	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Automatic controls are not functional. Manual operation only.	0	0		10
11	0.00	0.00	Pump Stations	Sumps/Wet Well	Α	Inspector Comments: Sump appears to be clear of excessive debris and sediment.	0	0		11
12	0.00	0.00	Pump Stations	Trash Racks	Α	Inspector Comments: Trash racks are fastened in place and properly maintained.	0	0	Υ	12

* Location	
LS : Land Side	
WS : Water Side	

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		08/11/2009 08/11/2009	John Paasch

LMR	Levee	Mile	Catamami	lta	Rating ** Location	A skin y / Common on h	GPS Latitude/L	Longitude	Photo	Issue No.
No.	Start	End	Category	Item	ing * ation	Action/Comment	Start	End	of	No.
13	0.00	0.00	Pump Stations	Trash Rakes	N	Inspector Comments: Mechanical trash rakes are not present at this site.	0	0		13
14	0.00	0.00	Pump Stations	Sluice / Slide Gates	Α	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Slide gates are left in open position and appear well maintained and operational.	0	0		14
15	0.00	0.00	Pump Stations	Electric Gate Operators	N	Inspector Comments: Item not present at this site.	0	0		15
16	0.00	0.00	Pump Stations	Manual Gate Operators	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual gate operators appear in good working condition.	0	0	Y	16
17	0.00	0.00	Pump Stations	Other Metallic Items	А	Inspector Comments: Metal parts are protected from corrosion damage.	0	0		17
18	0.00	0.00	Pump Stations	Flap Gates	Α	Inspector Comments: Flap gates open freely and close completely and appear to be in good condition.	0	0	Υ	18
19	0.00	0.00	Pump Stations	Closure Structures	N	Inspector Comments: Item not present at this site.	0	0		19
20	0.00	0.00	Pump Stations	Security Fencing	Α	Inspector Comments: Safety fence has been temporarily removed for maintenance.	0	0		20
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes	N	Inspector Comments: Item not present at this site.	0	0		21
22	0.00	0.00	Pump Stations	Pressurized Pipe	Α	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No evidence of erosion or leakage of pressurized pipe was found.	0	0	Y	22

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		08/11/2009 08/11/2009	John Paasch

Levee Mile Report Line	1						
Start Levee Mile	0.00						
End Levee Mile	0.00						
Location							
Category	Pump Stations						
Item	Operating Log						
Photo of operator area showing operation logs and phone communication.							

Levee Mile Report Line	3						
Start Levee Mile	-						
End Levee Mile							
Location	0.00						
	Duma Ctations						
Category	Pump Stations						
Item	Plant Building						
Photo of electrical controls building.							
jpaasch_20090812_41.jpg							
Jpaa3c11_20030012_+1.jpg							

Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers
Photo of pump motors ar Plant 1.	nd canopy at Pumping







Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		08/11/2009 08/11/2009	John Paasch

Levee Mile Report Line	12						
Start Levee Mile	0.00						
End Levee Mile	0.00						
Location							
Category	Pump Stations						
Item	Trash Racks						
Photo of trash rack, wet wells and safety fencing temporarily removed for trash removal							

jpaasch_20090812_43.jpg

Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators
Photo of manual operato	rs for slide gates at the

outfall.

jpaasch_20090812_44.jpg

Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates
Photo of flap gates at the	outfall.

jpaasch_20090812_45.jpg







A : Acceptable M : Minimally Acceptable U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

WS : Water Side CR : Crown

FINAL DATA

Levee Inspection Report By Mile - Structure 2009

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		08/11/2009 08/11/2009	John Paasch

Levee Mile Report Line	22					
Start Levee Mile	0.00					
End Levee Mile	0.00					
Location						
Category	Pump Stations					
Item	Pressurized Pipe					
Photo of pipe in deep we	II.					
jpaasch_20090812_46.jpg						



Unit Cover Sheet

2009 Pumping Plant Inspection Results

Pumping Plant	
Sutter Bypass Pumping Plant No. 2	

Pumping Plant Rating	M
Date of Inspection	8/10/2009
DWR Inspector	John Paasch
Accompanied By	Paul Casillas DWR Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		08/11/2009 08/11/2009	John Paasch

LMR	Levee	Mile	Category	Item	Rating ** Location	Action/Comment	GPS Latitude	e/Longitude	Photo	Issue
No.	Start	End	Category	цеш	ing	Action/Comment	Start	End	ð	N _o
1	0.00	0.00	Pump Stations	Operating Log	A	Inspector Comments: O&M log present at the pump station and is being used and updated	0	0	Y	1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual	Α	Inspector Comments: O&M manual is present at site.	0	0		2
3	0.00	0.00	Pump Stations	Plant Building	А	Inspector Comments: Enclosure building appears in good structural and operational condition.	0	0	Y	3
4	0.00	0.00	Pump Stations	Communications	Α	Inspector Comments: Telephone line available at site. Operators have cellular and radio communication.	0	0		4
5	0.00	0.00	Pump Stations	Safety	А	Inspector Comments: No appearant safety hazards observed that pose a threat to plant operators.	0	0		5
6	0.00	0.00	Pump Stations	Cranes	N	Inspector Comments: No cranes present at site.	0	0		6
7	0.00	0.00	Pump Stations	Pumps	Α	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pumps appear properly maintained and lubricated. Pumps last run March 2009.	0	0		7
8	0.00	0.00	Pump Stations	Power	U	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Power source has been unreliable in the past. DOE is currently planning to upgrade the power to the pumping plant.	0	0		8
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Motors appear to be properly maintained and operational.	0	0	Υ	9
10	0.00	0.00	Pump Stations	Pump Control Systems	M	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Automatic controls are not functional. Manual operation only.	0	0		10
11	0.00	0.00	Pump Stations	Sumps/Wet Well	А	Inspector Comments: Sump appears to be clear of excessive debris and sediment.	0	0		11
12	0.00	0.00	Pump Stations	Trash Racks	А	Inspector Comments: Trash racks are fastened in place and properly maintained.	0	0	Υ	12

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		08/11/2009 08/11/2009	John Paasch

LMR	Levee	Mile	Catamami	lán ma	Rating ** Location	A abian / Command	GPS Latitude/Lo	ongitude	Photo	Issue
No.	Start	End	Category	Item	ation	Action/Comment	Start	End	ਰੋ	No.
13	0.00	0.00	Pump Stations	Trash Rakes	N	Inspector Comments: Mechanical trash rakes are not present at this site.	0	0		13
14	0.00	0.00	Pump Stations	Sluice / Slide Gates	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Slide gates are left in open position and appear well maintained and operational.	0	0		14
15	0.00	0.00	Pump Stations	Electric Gate Operators	N	Inspector Comments: Item not present at this site.	0	0		15
16	0.00	0.00	Pump Stations	Manual Gate Operators	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual screw type gate operators appear in good working condition.	0	0	Y	16
17	0.00	0.00	Pump Stations	Other Metallic Items	Α	Inspector Comments: Metal parts are protected from corrosion damage.	•	0		17
18	0.00	0.00	Pump Stations	Flap Gates	Α	Inspector Comments: Flap gates open freely and close completely and appear to be in good condition.	0	0	Υ	18
19	0.00	0.00	Pump Stations	Closure Structures	N	Inspector Comments: Item not present at this site.	0	0		19
20	0.00	0.00	Pump Stations	Security Fencing	Α	Inspector Comments: Trespassers routinely cut locks and leave gates opened at the intake.	•	0		20
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes	N	Inspector Comments: Item not present at this site.	0	0		21
22	0.00	0.00	Pump Stations	Pressurized Pipe	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No evidence of erosion or leakage of pressurized pipe was found.	0	0	Y	22

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		08/11/2009 08/11/2009	John Paasch

Levee Mile Report Line	1	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Operating Log	
Photo of operator area showing operation logs and phone communication.		

Levee Mile Report Line	3	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Plant Building	
Photo of electrical controls building and transformer.		
jpaasch_20090812_34.jpg		

Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Motors, Engines, Fans & Gear Reducers
Photo of pump motors ar Plant 2.	nd canopy at Pumping
jpaasch_20090812_35.jpg	







Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		08/11/2009 08/11/2009	John Paasch

Levee Mile Report Line	12	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Trash Racks	
Photo of trash racks and safety fencing at the pump plant intake.		
jpaasch_20090812_36.jpg		

Levee Mile Report Line	16	
Start Levee Mile		
	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Manual Gate Operators	
Photo of manual operators for slide gates at the outfall.		

jpaasch_20090812_37.jpg

Levee Mile Report Line	18	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Flap Gates	
Photo of flap gates at the outfall.		

jpaasch_20090812_38.jpg







LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		08/11/2009 08/11/2009	John Paasch

Levee Mile Report Line	22
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pressurized Pipe
Photo of one of the steel	pipes in the wet well.
jpaasch_20090812_39.jpg	



Unit Cover Sheet

2009 Pumping Plant Inspection Results

Pumping Plant		
Sutter Bypass Pumping Plant No. 3		

Pumping Plant Rating	M
Date of Inspection	8/10/2009
DWR Inspector	John Paasch
Accompanied By	Paul Casillas DWR Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		08/11/2009 08/11/2009	John Paasch

LMR	Levee							GPS Latitude/Long		Photo	Issue
No.	Start	End	Category	Item	ation *	Action/Comment	Start	End	oto	No.	
1	0.00	0.00	Pump Stations	Operating Log	Α	Inspector Comments: O&M log present at the pump station and is being used and updated	0	0		1	
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual	А	Inspector Comments: O&M manual is present at site.	0	0		2	
3	0.00	0.00	Pump Stations	Plant Building	А	Inspector Comments: Enclosure building appears in good structural and operational condition.	0	0	Υ	3	
4	0.00	0.00	Pump Stations	Communications	Α	Inspector Comments: Telephone line available at site. Operators have cellular and radio communication.	0	0		4	
5	0.00	0.00	Pump Stations	Safety	А	Inspector Comments: No appearant safety hazards observed that pose a threat to plant operators.	0	0		5	
6	0.00	0.00	Pump Stations	Cranes	N	Inspector Comments: Cranes brought in to work on pumps and motors.	0	0		6	
7	0.00	0.00	Pump Stations	Pumps	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Pumps appear properly maintained and lubricated. Pumps last run in March 2009.	0	0		7	
8	0.00	0.00	Pump Stations	Power	U	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Power source has been unreliable in the past. DOE is currently planning to upgrade the power to the pumping plant.	0	0		8	
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers	Α	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Motors appear to be properly maintained and operational.	0	0		9	
10	0.00	0.00	Pump Stations	Pump Control Systems	М	Inspector Comments: Automatic controls not functional. Manual operation only.	0	0		10	
11	0.00	0.00	Pump Stations	Sumps/Wet Well	А	Inspector Comments: Annual maintenance and clearing done ahead of next flood season.	0	0		11	
12	0.00	0.00	Pump Stations	Trash Racks	Α	Inspector Comments: Trash racks are fastened in place and properly maintained.	0	0	Y	12	

Location	
LS : Land Side	
WS : Water Side	

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		08/11/2009 08/11/2009	John Paasch

LMR	Levee	Mile	Catamami	lán ma			GPS Latitude/L	ongitude	Photo	Issue
No.	Start	End	Category	Item	ation	Action/Comment	Start	End	of	No.
13	0.00	0.00	Pump Stations	Trash Rakes	N	Inspector Comments: Mechanical trash rakes are not present at this site.	0	0		13
14	0.00	0.00	Pump Stations	Sluice / Slide Gates	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Screw (slide) gates are maintained annually.	0	0		14
15	0.00	0.00	Pump Stations	Electric Gate Operators	N	Inspector Comments: Item not present at this site.	0	0		15
16	0.00	0.00	Pump Stations	Manual Gate Operators	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual screw type gate operators appear in good working condition.	0	0	Υ	16
17	0.00	0.00	Pump Stations	Other Metallic Items	Α	Inspector Comments: Metal parts are protected from corrosion damage.	•	0		17
18	0.00	0.00	Pump Stations	Flap Gates	Α	Inspector Comments: Flap gates open freely and close completely and appear to be in good condition.	0	0	Υ	18
19	0.00	0.00	Pump Stations	Closure Structures	N	Inspector Comments: Item not present at this site.	0	0		19
20	0.00	0.00	Pump Stations	Security Fencing	Α	Inspector Comments: Safety fence at trash racks has been stolen and needs to be replaced.	0	0		20
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes	N	Inspector Comments: Item not present at this site.	0	0		21
22	0.00	0.00	Pump Stations	Pressurized Pipe	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No evidence of erosion or leakage of pressurized pipe was found.	0	0		22

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		08/11/2009 08/11/2009	John Paasch

Levee Mile Report Line	1			
Start Levee Mile	0.00			
End Levee Mile	0.00			
Location				
Category	Pump Stations			
Item	Operating Log			
Photo of operator area showing operation logs and phone communication.				
jpaasch_20090812_27.jpg				

3			
0.00			
0.00			
Pump Stations			
Plant Building			
Photo of electrical controls building.			
jpaasch_20090812_28.jpg			

Levee Mile Report Line	9			
Start Levee Mile	0.00			
End Levee Mile	0.00			
Location				
Category	Pump Stations			
Item	Motors, Engines, Fans & Gear Reducers			
Photo of pump motors and canopy at Pumping Plant 3.				
jpaasch_20090812_29.jpg				







A : Acceptable M : Minimally Acceptable U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		08/11/2009 08/11/2009	John Paasch

Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks

Photo of intake side of the pumping plant showing missing guard rails at the trash racks.

jpaasch_20090812_30.jpg

Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

Photo of manual operators for slide gates at the outfall.

jpaasch_20090812_32.jpg

Levee Mile Report Line	18		
Start Levee Mile	0.00		
End Levee Mile	0.00		
Location			
Category	Pump Stations		
Item	Flap Gates		
Photo of flap gates at the outfall.			

jpaasch_20090812_31.jpg







Location

LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

14.140(11)

Unit Cover Sheet

2009 Structure Inspection Results

Structure
Sutter Bypass Weir No. 2

Structure Rating	Α
Date of Inspection	8/26/2009
DWR Inspector	Bob Duffey
Accompanied By	

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/26/2009 08/26/2009	Bob Duffey

LMR	Levee	Mile	Catagoni	Itom	Rating ** Location *	Action/Commont	GPS Latitue	de/Longitude	Photo
No.	Start	End	Category	Item	ing	Action/Comment	Start	End	o No.
1	0.00	0.00	Structures	Vegetation & Obstructions	Α		c		° 1
2	0.00	0.00	Structures	Shoaling / Sedimentation	Α		c		2
3	0.00	0.00	Structures	Erosion / Bank Caving	Α		c		3
4	0.00	0.00	Structures	Revetments	Α		c		° Y 4
5	0.00	0.00	Structures	Encroachments	Α		c		° 5
6	0.00	0.00	Structures	Culverts: Inlets / Outlets	N		c		° 6
7	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	N		c		° 7
8	0.00	0.00	Structures	Metal Pipes	N		c		° 8
9	0.00	0.00	Structures	Trash Racks	N		c		9
10	0.00	0.00	Structures	Flap Gates	N		c		° 10
11	0.00	0.00	Structures	Sluice/Slide Gates	Α		c		° 11
12	0.00	0.00	Structures	Electric Gate Operators	N		c		° 12
13	0.00	0.00	Structures	Manual Gate Operators	N		c		° 13
14	0.00	0.00	Structures	Concrete Surfaces	Α		c		° 14
15	0.00	0.00	Structures	Concrete Tilting / Settlement	А		c		° 15
16	0.00	0.00	Structures	Concrete Foundations	Α		c		° 16
17	0.00	0.00	Structures	Security Fencing	Α		c		° 17

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/26/2009 08/26/2009	Bob Duffey

LMR	Levee	Mile	Catagony	Itom	Rating ** Location	Action/Commont	GPS Latitude	e/Longitude	Pho	Issue No.
No.	Start	End	Category	Item	ing tion	Action/Comment	Start	End	oto	No.
18	0.00	0.00	Structures	Closure Structures	Α		0	0		18
19	0.00	0.00	Structures	Trash Rakes	N		0	0		19
20	0.00	0.00	Structures	Other Metallic Items	N		0	0		20
21	0.00	0.00	Structures	Monolith Joints	А		0	0	:	21
22	0.00	0.00	Structures	Safety	N		0	0		22

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/26/2009 08/26/2009	Bob Duffey

Levee Mile Report Line	4					
Start Levee Mile	0.00					
End Levee Mile	0.00					
Location						
Category	Structures					
Item	Revetments					
View of downstream side	View of downstream side of the weir					
rduffey_20090910_10.jpg						

Levee Mile Report Line	4					
Start Levee Mile	0.00					
End Levee Mile	0.00					
Location						
Category	Structures					
Item Revetments						
View of the upstream side of the weir						
rduffey_20090910_11.jpg						





Unit Cover Sheet

2009 Structure Inspection Results

Structure
Tisdale Weir

Structure Rating	Α
Date of Inspection	8/26/2009
DWR Inspector	Bob Duffey
Accompanied By	

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir			Bob Duffey

LMR	Levee	Mile	Catagoni	Itom	Rating ** Location	Astion/Comment	GPS Latitu	de/Longitude	Pho	Issue No.
No.	Start	End	Category	Item	ing	Action/Comment	Start	End	ŏ	NO.
1	0.00	0.00	Structures	Vegetation & Obstructions	Α		¢		0	1
2	0.00	0.00	Structures	Shoaling / Sedimentation	Α		6		• Y	2
3	0.00	0.00	Structures	Erosion / Bank Caving	А		(0	3
4	0.00	0.00	Structures	Revetments	Α		•		0	4
5	0.00	0.00	Structures	Encroachments	М		•		0	5
6	0.00	0.00	Structures	Culverts: Inlets / Outlets	N				0	6
7	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	N				0	7
8	0.00	0.00	Structures	Metal Pipes	N		•		0	8
9	0.00	0.00	Structures	Trash Racks	N		6		0	9
10	0.00	0.00	Structures	Flap Gates	N				0 ,	10
11	0.00	0.00	Structures	Sluice/Slide Gates	N		(0 1	11
12	0.00	0.00	Structures	Electric Gate Operators	N		(0	12
13	0.00	0.00	Structures	Manual Gate Operators	N		6		0 1	13
14	0.00	0.00	Structures	Concrete Surfaces	А				0 1	14
15	0.00	0.00	Structures	Concrete Tilting / Settlement	Α				0 ,	15
16	0.00	0.00	Structures	Concrete Foundations	Α				0 1	16
17	0.00	0.00	Structures	Security Fencing	N				0 /	17
										—

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir			Bob Duffey

LMR	Levee	Mile	Catagony	Itom	Rating ** Location	Action/Commont	GPS Latitude	Latitude/Longitude	
No.	Start	End	Category	Item	ing tion	Action/Comment	Start	End	Issue No.
18	0.00	0.00	Structures	Closure Structures	N		0	0	18
19	0.00	0.00	Structures	Trash Rakes	N		0	0	19
20	0.00	0.00	Structures	Other Metallic Items	N		0	0	20
21	0.00	0.00	Structures	Monolith Joints	А		0	0	21
22	0.00	0.00	Structures	Safety	N		0	0	22

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir			Bob Duffey

Levee Mile Report Line	2							
Start Levee Mile	0.00							
End Levee Mile	0.00							
Location								
Category	Structures							
Item	Shoaling / Sedimentation							
View of the weir and boat parking lot from the south levee								
rduffey_20090910_9.jpg								



Unit Cover Sheet

2009 Structure Inspection Results

Structure	
Wadsworth Canal	Veir No. 4

Structure Rating	Α
Date of Inspection	8/27/2009
DWR Inspector	Bob Duffey
Accompanied By	

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4			Bob Duffey

Start End End Start End End Start End	LMR	Levee	Mile	Catagory	Itom	Rating ** Location **	Action/Comment	GPS Latitud	de/Longitude	Photo
2		Start		Category	Item	ing	Action/Comment	Start	End	of No.
Sedimentation Sedimentatio	1	0.00	0.00	Structures		Α				
Caving	2	0.00	0.00	Structures		Α				_
Social Color	3	0.00	0.00	Structures		Α				
6 0.00 0.00 Structures Culverts: Inlets / Outlets N 7 0.00 0.00 Structures Culverts: Inlets / Outlets N 8 0.00 0.00 Structures Metal Pipes N 9 0.00 0.00 Structures Trash Racks N 10 0.00 0.00 Structures Flap Gates N 11 0.00 0.00 Structures Sluice/Slide N Gates N 12 0.00 0.00 Structures Electric Gate Operators N 13 0.00 0.00 Structures Manual Gate Operators N 14 0.00 0.00 Structures Concrete Surfaces A 15 0.00 0.00 Structures Concrete Flap A 16 0.00 0.00 Structures Concrete Flap A 17 0.00 0.00 Structures Security Fencing A 18 0.00 0.00 Structures Security Fencing A 19 0.00 0.00 Structures Security Fencing A	4	0.00	0.00	Structures	Revetments	А				
Tourish Courter Cour	5	0.00	0.00	Structures	Encroachments	Α				•
Breaks / Holes / Cracks N Structures Metal Pipes N Structures Metal Pipes N Structures Trash Racks N Structures Flap Gates N Structures Structures Structures Structures Structures Structures Structures	6	0.00	0.00	Structures		N				•
9 0.00 5tructures Trash Racks N 10 0.00 5tructures Flap Gates N 11 0.00 0.00 Structures Sluice/Slide Gates N 12 0.00 0.00 Structures Electric Gate Operators N 13 0.00 0.00 Structures Manual Gate Operators N 14 0.00 0.00 Structures Concrete A Surfaces N 15 0.00 0.00 Structures Concrete Tilting / Settlement A 16 0.00 0.00 Structures Concrete Foundations A 17 0.00 0.00 Structures Security Fencing A	7	0.00	0.00	Structures	Breaks / Holes /	N				,
10 0.00 0.00 Structures Flap Gates N	8	0.00	0.00	Structures	Metal Pipes	N				
11 0.00 0.00 Structures Sluice/Slide N	9	0.00	0.00	Structures	Trash Racks	N				•
Gates Cates Cate	10	0.00	0.00	Structures	Flap Gates	N				
13 0.00 0.00 Structures Manual Gate Operators N Operators N Operators N Operators N Operators Op	11	0.00	0.00	Structures		N				
No.00 0.00 Structures Concrete Surfaces 14 0.00 0.00 Structures Concrete Surfaces 15 0.00 0.00 Structures Concrete Tilting A Settlement 16 0.00 0.00 Structures Concrete Foundations A Settlement B Settlement A Settlement B Settlement Concrete Foundations A Settlement Concrete Foundations A Settlement Concrete Foundations	12	0.00	0.00	Structures		N				12
Surfaces Surfaces 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13	0.00	0.00	Structures		N				10
16 0.00 0.00 Structures Concrete Foundations A 10 0.00 0.00 Structures Concrete Foundations A 10 0.00 0.00 Structures Concrete A 11 0.00 0.00 Structures Security Fencing A 12 0.00 0.00 Structures Security Fencing A 13 0.00 0.00 Structures Security Fencing A 14 0.00 0.00 Structures Security Fencing A 15 0.00 0.00 Structures Security Fencing A 16 0.00 0.00 Structures Security Fencing A 17 0.00 0.00 Structures Security Fencing A 18 0.00 0.00 Structures Security Fencing A 19 0.00 0.00 Structures Security Fencing A 19 0.00 0.00 Structures Security Fencing A 10 0.00 0.00 Struct	14	0.00	0.00	Structures		А				•
Foundations ° ° 17 0.00 0.00 Structures Security Fencing A ° °	15	0.00	0.00	Structures	Concrete Tilting / Settlement	Α				10
0.00 0.00 Structures Security rending A	16	0.00	0.00	Structures		Α				
	17	0.00	0.00	Structures	Security Fencing	А				17

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4			Bob Duffey

LMR	Levee	Mile	Catagony	Itom	Rating ** Location	Action/Commont	GPS Latitude	e/Longitude	Pho	Issue No.
No.	Start	End	Category	Item	ing tion	Action/Comment	Start	End	oto	No.
18	0.00	0.00	Structures	Closure Structures	Α		0	0		18
19	0.00	0.00	Structures	Trash Rakes	N		0	0		19
20	0.00	0.00	Structures	Other Metallic Items	N		0	0		20
21	0.00	0.00	Structures	Monolith Joints	А		0	0	:	21
22	0.00	0.00	Structures	Safety	N		0	0		22

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Levee Inspection Report By Mile - Structure 2009

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4			Bob Duffey

Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Erosion / Bank Caving
View of the downstream side of the structure	
rduffey_20090910_12.jpg	

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Revetments
View of the upstream side of the structure from the left bank levee	
rduffey_20090910_13.jpg	



